

**85775**

CUSTOMER NUMBER

**PATENT**

**Docket No: 1004435-001US**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s) :** Timothy Cameron RALPH  
Elanor HUNTINGTON

**Confirmation No.:** 5231

**Serial No. :** 10/577,799

**Group Art Unit:** 2872

**Filed :** November 28, 2006

**Examiner:** Jade R. Callaway

**For :** COMPONENTS FOR OPTICAL QUBITS  
IN THE RADIO FREQUENCY BASIS

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

S I R:

This responds to the **Final Office Action** mailed on September 4, 2009.

**This paper is being filed within two months from the date of the Final Office Action.**

Accordingly, if the claims are not allowable based upon the amendments herein, an Advisory  
Action is respectfully requested.

**Amendments to the claims** are reflected in the listing of claims which begins on page 2 of  
this paper.

**Remarks** begin on page 5 of this paper.